



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: Z912

DETAILS:

The following are the results of the SNS medium beta 07 arm survey. The data was processed using the offsets for the granite piers provided in the cryoassembly sub-directories on the Jlab m: drive. Horizontal and vertical deviations from the lines constructed between the piers were calculated and then the NEW offset values for each arm were applied (as shown in DTM Z902). The results are given in millimeters (DX, DY). A positive DX indicates the arm target is to the beam left, a positive DY indicates that it is too high. A comparison is made with the SRF group's measured values and the absolute differences are shown. Please note the different sign convention in X.

MB07

Flange	DX	SRF	Diff	DY	SRF	Diff
2 E (BL)	0.25	-0.23	0.02	0.30	0.14	-0.16
2 W (BR)	-			-		
3 E (BL)	0.22	-0.38	-0.16	0.05	-0.04	-0.09
3 W (BR)	0.39	-0.47	-0.07	-0.89	-0.97	-0.08
4 E (BL)	0.36	-0.37	-0.01	0.49	-0.01	-0.50
4 W (BR)	0.49	-0.41	0.09	-0.70	-0.78	-0.08
5 E (BL)	-	-	-			
5 W (BR)	0.17	-0.18	-0.01	0.26	-0.33	-0.29
6 E (BL)	-0.05	0.04	-0.01	0.39	-0.01	-0.40
6 W (BR)	-	-0.11		-	0.06	
7 E (BL)	-	-		-	-	
7 W (BR)	0.12	0.21	0.32	0.00	-0.06	-0.05